

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

### In re Patent Application Nos.:

09/643381  
08/826721  
09/672175  
09/874930  
09/930523  
09/450318  
09/422210  
09/695459  
09/932261  
09/777613  
09/803356  
09/229492  
09/930662  
08/786725  
09/878599  
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08/924741  
08/970121  
09/280307  
08/924285  
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08/970704  
10/361787  
09/502287  
08/893170  
09/641432  
09/727226  
10/072299  
09/929866  
08/582525  
08/651980  
08/895734  
09/803718  
08/923051  
08/520316  
08/726277  
09/229482  
09/999261  
08/488793  
09/498204  
09/094119

Customer No.: 30678

08/892946  
11/351302  
09/874932  
09/511665  
09/310567  
08/929638  
08/651,981

### **Revocation and Power of Attorney**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

All previous powers of attorney and authorizations of agent are hereby revoked, and the undersigned hereby appoints the attorneys and agents of Connolly Bove Lodge & Hutz LLP associated with U.S. Patent and Trademark Office ("PTO") Customer Number 30678 to prosecute these applications and any U.S., foreign, or international applications under the Patent Cooperation Treaty based on them and to transact all business in the PTO connected therewith, and to receive all communications from the PTO, including the patent documents. Further details about each application are found in the Appendix to this paper. The authority under this Power of Attorney of each person listed under the aforementioned PTO Customer Number shall automatically terminate and be revoked upon such person ceasing to be associated with Connolly Bove Lodge & Hutz LLP.

*Designation of Correspondence Address*

Please send all notices, official letters, documents, communications, and other correspondence regarding these applications to:

Connolly Bove Lodge & Hutz LLP  
1875 Eye Street NW, Suite 1100  
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or to the address currently associated with PTO Customer Number 30678. Please also record the respective Attorney Docket Numbers in the attached appendix in any applicable databases.

*Certificate Under 37 C.F.R. § 3.73(b)*

Metave Asset Holdings, LLC is the assignee of the entire right, title, and interest in these patents and applications by virtue of an assignment from Kathrein-Werke AG to Metave Asset Holdings, LLC, recorded in the records of the PTO on December 15, 2008 at Reel 021976 Frame 0313. To the best of the undersigned's knowledge and belief, the titles are in the name of said assignee. The undersigned, whose title is supplied below, is empowered to sign this certificate on behalf of Metave Asset Holdings, LLC.

Signed: 

Date: February 12, 2009

Name: Dana Morris

Title: Authorized Person for Metave Asset Holdings, LLC

**APPENDIX: DETAILS OF LISTED APPLICATIONS**

| •Appln.<br>No. | Confirmation<br>No. | Patent<br>No. | Filing<br>Date | First Named<br>Inventor       | Title   | Attorney<br>Docket No. |
|----------------|---------------------|---------------|----------------|-------------------------------|---|------------------------|
| 09/643381      | 8777                | 6330460       | 8/21/00        | WONG, Piu                     | SIMULTANEOUS<br>FORWARD LINK BEAM<br>FORMING AND<br>LEARNING METHOD<br>FOR MOBILE HIGH<br>RATE DATA TRAFFIC | 27592-01171-<br>US     |
| 08/826721      | 2646                | 6072788       | 4/7/97         | PETERSON, Curt                | FORWARD LINK TDMA<br>POWER CONTROL<br>SYSTEM AND METHOD   | 27592-01173-<br>US     |
| 09/672175      | 6853                | 6320853       | 9/27/00        | WONG, Piu                     | METHOD OF PHASE<br>RECOVERY IN<br>CELLULAR<br>COMMUNICATION<br>SYSTEMS                                      | 27592-01144-<br>US1    |
| 09/874930      | 3515                | 7085240       | 6/5/01         | WU, Jiangfeng                 | DIRECTED MAXIMUM<br>RATIO COMBINING AND<br>SCHEDULING OF HIGH<br>RATE TRANSMISSION<br>FOR DATA NETWORKS     | 27592-01137-<br>US1    |
| 09/930523      | 2034                | 6829491       | 8/15/01        | GORDON, Scot                  | DYNAMIC AND SELF-<br>OPTIMIZING SMART<br>NETWORK  | 27592-01165-<br>US     |
| 09/450318      | 7448                | 6351237       | 11/29/99       | MARTEK, Gary<br>A.            | POLARIZATION AND<br>ANGULAR DIVERSITY<br>AMONG ANTENNA<br>BEAMS   | 27592-01175-<br>US4    |
| 09/422210      | 5254                | 7039441       | 10/19/99       | REUDINK,<br>Douglas O.        | HIGH SPEED FIXED<br>WIRELESS VOICE/DATA<br>SYSTEMS AND<br>METHODS   | 27592-01148-<br>US     |
| 09/695459      | 2844                | 6799026       | 10/24/00       | SCHERZER,<br>Shimon           | HANDSET DIVERSITY IN<br>WIRELESS<br>COMMUNICATIONS<br>SYSTEM  | 27592-01135-<br>US1    |
| 09/932261      | 3117                | 7117014       | 8/17/01        | VAN<br>RENSBURG,<br>Cornelius | SYSTEM AND METHOD<br>FOR SELECTING<br>OPTIMIZED BEAM<br>CONFIGURATION                                       | 27592-01147-<br>US     |
| 09/777613      | 6123                | 6697644       | 2/6/01         | SCHERZER,<br>Shimon           | WIRELESS LINK<br>QUALITY USING<br>LOCATION BASED<br>LEARNING  | 27592-01172-<br>US     |
| 09/803356      | 4203                | 6847832       | 3/9/01         | WONG, Piu                     | SYSTEM AND METHOD<br>FOR PROVIDING PHASE<br>MATCHING WITH<br>OPTIMIZED BEAM<br>WIDTHS                       | 27592-01143-<br>US     |

| Appln. No. | Confirmation No. | Patent No. | Filing Date | First Named Inventor  | Title  | Attorney Docket No. |
|------------|------------------|------------|-------------|-----------------------|--|---------------------|
| 09/229492  | 6808             | 6405018    | 1/11/1999   | REUDINK, Douglas O.   | INDOOR DISTRIBUTED MICROCELL   | 27592-01158-US      |
| 09/930662  | 3259             | 6937863    | 8/15/01     | GORDON, Scot          | SYSTEM AND METHOD FOR DYNAMICALLY ADJUSTING CELL SECTORIZATION                     | 27592-01161-US      |
| 08/786725  | 5590             | 5889494    | 1/27/97     | REUDINK, Mark         | ANTENNA DEPLOYMENT SECTOR CELL SHAPING SYSTEM AND METHOD                           | 27592-01145-US      |
| 09/878599  | 2963             | 7031754    | 6/11/01     | SCHERZER, Shimon      | SHAPABLE ANTENNA BEAMS FOR CELLULAR NETWORKS                                       | 27592-01164-US      |
| 09/432,958 | 1836             | 6236849    | 11/3/99     | REUDINK, Mark         | SYSTEM AND METHOD OF DETERMINING A MOBILE STATIONS POSITION USING DIRECTABLE BEAMS | 27592-01169-US1     |
| 08/924741  | 8471             | 6055230    | 9/5/97      | FEUERSTEIN, Martin J. | EMBEDDED DIGITAL BEAM SWITCHING  | 27592-01167-US      |
| 08/970121  | 2199             | 6070090    | 11/13/97    | FEUERSTEIN, Martin J. | INPUT SPECIFIC INDEPENDENT SECTOR MAPPING  | 27592-01170-US      |
| 09/727226  | 3518             | 6901062    | 11/30/00    | SCHERZER, Shimon      | ADAPTIVE ANTENNA ARRAY WIRELESS DATA ACCESS POINT                                  | 27592-01152-US1     |
| 09/280307  | 5562             | 6198435    | 3/29/99     | REUDINK, Douglas O.   | SYSTEM AND METHOD FOR IMPROVED TRUNKING EFFICIENCY THROUGH SECTOR OVERLAP          | 27592-01145-US2     |
| 08/924285  | 3556             | 6246674    | 9/5/97      | FEUERSTEIN, Martin J. | ANTENNA DEPLOYMENT SECTOR CELL SHAPING SYSTEM AND METHOD                           | 27592-01145-US1     |
| 09/289774  | 9025             | 6233466    | 4/8/99      | WONG, Piu             | DOWNLINK BEAMFORMING USING BEAM SWEEPING AND SUBSCRIBER FEEDBACK                   | 27592-01141-US1     |
| 08/970704  | 3105             | 6141565    | 11/13/97    | FEUERSTEIN, Martin J. | DYNAMIC MOBILE PARAMETER OPTIMIZATION  | 27592-01146-US      |
| 10/361787  | 3643             | 6760603    | 2/10/03     | SCHERZER, Shimon      | COMPACT DUAL-POLARIZED ADAPTIVE ANTENNA ARRAY COMMUNICATION METHOD AND APPARATUS   | 27592-01151-US11    |

| Appln. No. | Confirmation No. | Patent No. | Filing Date | First Named Inventor | Title  | Attorney Docket No. |
|------------|------------------|------------|-------------|----------------------|--|---------------------|
| 09/502287  | 4952             | 6519478    | 2/11/00     | SCHERZER, Shimon     | COMPACT DUAL-POLARIZED ADAPTIVE ANTENNA ARRAY COMMUNICATION METHOD AND APPARATUS   | 27592-01151-US10    |
| 08/893170  | 7652             | 6363263    | 7/15/97     | REUDINK, Mark        | UNIVERSAL WIDEBAND SWITCHLESS CHANNEL SELECTOR   | 27592-01157-US      |
| 09/641432  | 4601             | 6895230    | 8/16/00     | BLOUNT, Richard J.   | SYSTEM AND METHOD FOR DELAY EQUALIZATION OF MULTIPLE TRANSMISSION PATHS  | 27592-01155-US      |
| 10/072299  | 9683             | 7079809    | 2/7/02      | SCHERZER, Shimon     | SYSTEMS AND METHODS FOR PROVIDING IMPROVED WIRELESS SIGNAL QUALITY USING DIVERSE ANTENNA BEAMS   | 27592-01162-US      |
| 09/929866  | 8709             | 6895258    | 8/14/01     | SCHERZER, Shimon     | SPACE DIVISION MULTIPLE ACCESS STRATEGY FOR DATA SERVICE   | 27592-01156-US1     |
| 08/582525  | 8064             | 5884147    | 1/3/96      | REUDINK, Douglas O.  | METHOD AND APPARATUS FOR IMPROVED CONTROL OVER CELLULAR SYSTEMS  | 27592-01168-US      |
| 08/651980  | 4445             | 5781864    | 5/20/96     | REUDINK, Douglas O.  | CELLULAR SYSTEM CONDITIONER WHICH OVERRIDES A DISCONNECT FOR ACTIVE RADIOS WIRELESSLY COMMUNICATING WITH MOBILES LOCATED IN PRE-IDENTIFIED TERRITORIAL POSITIONS | 27592-01174-US      |
| 09/511665  | 3340             | 6453177    | 2/23/00     | WONG, Piu            | TRANSMITTING BEAM FORMING IN SMART ANTENNA ARRAY SYSTEM  | 27592-01136-US1     |
| 08/895734  | 1332             | 6061548    | 7/17/97     | REUDINK, Douglas O.  | TDMA REPEATER ELIMINATING FEEDBACK   | 27592-01159-US      |

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|------------|------------------|------------|-------------|-----------------------|--|---------------------|
| 09/803718  | 9004             | 7016649    | 3/9/01      | NARASIMHAN, Ravi      | SPACE-TIME AND SPACE-FREQUENCY HOPPING FOR CAPACITY ENHANCEMENT OF MOBILE DATA SYSTEMS | 27592-01160-US2     |
| 08/923051  | 2215             | 6005516    | 9/3/97      | REUDINK, Douglas O.   | DIVERSITY AMONG NARROW ANTENNA BEAMS   | 27592-01175-US3     |
| 08/520316  | 1570             | 5648968    | 8/28/95     | REUDINK, Douglas O.   | NARROW BEAM ANTENNA SYSTEMS WITH ANGULAR DIVERSITY                                     | 27592-01175-US1     |
| 08/726277  | 8896             | 5757318    | 10/4/96     | REUDINK, Douglas O.   | NARROW BEAM WIRELESS SYSTEMS WITH ANGULARLY DIVERSE ANTENNAS                           | 27592-01175-US2     |
| 09/229482  | 6820             | 6347234    | 1/13/99     | SCHERZER, Shimon      | PRACTICAL SPACE-TIME RADIO METHOD FOR CDMA COMMUNICATION CAPACITY ENHANCEMENT          | 27592-01151-US7     |
| 09/999261  | 6976             | 7096040    | 11/15/01    | SCHERZER, Shimon      | PASSIVE SHAPABLE SECTORIZATION ANTENNA GAIN DETERMINATION                              | 27592-01164-US1     |
| 08/488793  | 9117             | 5563610    | 6/8/95      | REUDINK, Douglas O.   | NARROW BEAM ANTENNA SYSTEMS WITH ANGULAR DIVERSITY                                     | 27592-01175-US      |
| 09/094119  | 8007             | 6032056    | 6/9/98      | REUDINK, Douglas O.   | CELLULAR SYSTEM SIGNAL CONDITIONER   | 27592-01174-US1     |
| 09/498,204 | 8471             | 6950416    | 2/4/00      | FEUERSTEIN, Martin J. | EMBEDDED DIGITAL BEAM FORMING  | 27592-01167-US1     |
| 08/892946  | 7420             | 6195556    | 7/15/97     | REUDINK, Mark         | SYSTEM AND METHOD OF DETERMINING A MOBILE STATION'S POSITION USING DIRECTABLE BEAMS    | 27592-01169-US      |
| 11/351302  | 1017             |            | 2/9/06      | SCHERZER, Shimon      | SHAPABLE ANTENNA BEAMS FOR CELLULAR NETWORKS   | 27592-01164-US2     |
| 09/874932  | 3483             | 7194006    | 6/5/01      | WONG, Piu             | DIRECTED MAXIMUM RATIO COMBINING METHODS AND SYSTEMS FOR HIGH DATA RATE TRAFFIC        | 27592-01163-US1     |

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|---------------|---------------------|---------------|----------------|--------------------------|---|------------------------|
| 09/310567     | 9009                | 6501747       | 5/12/99        | FRIEDLANDER,<br>Benjamin | MANIFOLD ASSISTED<br>CHANNEL ESTIMATION<br>AND DEMODULATION<br>FOR CDMA SYSTEMS IN<br>FAST FADING<br>ENVIRONMENTS | 27592-01151-<br>US8    |
| 08/929638     | 2069                | 6108565       | 9/15/97        | SCHERZER,<br>Shimon      | PRACTICAL SPACE-<br>TIME RADIO METHOD<br>FOR CDMA<br>COMMUNICATION<br>CAPACITY<br>ENHANCEMENT                     | 27592-01151-<br>US     |
| 08/651,981    | 4446                | 5745841       | 5/20/96        | REUDINK,<br>Douglas      | SYSTEM AND METHOD<br>FOR CELLULAR BEAM<br>SPECTRUM<br>MANAGEMENT  | 27592-01166-<br>US     |



**DECLARATION REGARDING AUTHORITY TO SIGN ON BEHALF OF A LEGAL ENTITY**  
**(37 C.F.R. 3.73(b)(2)(ii))**

I, Dana Morris (whose title is supplied below), hereby declare that I am authorized to sign the Power of Attorney to Prosecute Applications before the USPTO on behalf of Metave Asset Holdings, LLC.

Dana Morris

Dana Morris, Authorized Person

February 12, 2009

[date]